| | | | H·A |
|--|---|---------------|---|
| | Application No. | Applicant(s) | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| Notice of Allowability | 09/893,558 | LIM, MOO JONG | |
| | Examiner | Art Unit | |
| | Jacob Y. Choi | 2875 | |
| The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. | | | |
| 1. This communication is responsive to <u>2/11/2005</u> . | | | |
| 2. The allowed claim(s) is/are <u>1-22</u> . | | | |
| 3. A The drawings filed on 29 June 2001 are accepted by the Examiner. | | | |
| 4. | | | |
| Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0-Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material | 6. ☐ Interview Summar Paper No./Mail Da 8), 7. ⊠ Examiner's Amend | ate | |

Application/Control Number: 09/893,558 Page 2

Art Unit: 2875

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance: the claims recite a liquid crystal display device comprising a plurality of lamps are arranged such that LED chips realizing R, G, and B colors are built in the respective lamps and wherein the planar surface of the diffusion plate is uniformly and directly exposed to light emitted by the plurality of lamps. None of the references cited disclose this combination.

Farrell (USPN 5,143,433) teaches night vision backlighting system for LCD having a low-level intensity light sources (LEDs; 38) being utilized for backlighting displays.

Pelka (USPN 6,007,209) teaches backlighting device having a second series of LEDs (red, green, & blue) is mounted within the cavity on the bottom wall of the housing (Figure 4).

Because none of the references disclosed the combination of LED chips realizing red, green, and blue colors are built in the respective lamps and where the planar surface of the diffusion plate is uniformly and directly exposed to light emitted by the plurality of lamps (R, G, & B), nor is there any motivation to combine them, the claims are deemed patentable over the prior art of record. Claims 1-22 are allowed.

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 09/893,558 Page 3

Art Unit: 2875

Response to Amendment

3. The proposed reply filed on 2/11/2005 has been entered.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Thurnbull et al. (USPN 5,803,579) – illuminator assembly incorporating light emitting diodes

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacob Y. Choi whose telephone number is (571) 272-2367. The examiner can normally be reached on Monday-Friday (10:00-7:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Page 4

JC

Sandra O'Shea
Supervisory Patent Examiner
Technology Center 2800